

## ABSTRACT

MPEG2 data streams contain data packets for a set of programs and time stamps for data synchronisation purposes. An  
15 MPEG2 transport stream is assembled of fixed-length transport packets. The received transport packets of at least one specific program of this set of programs can be stored using for example a DVD Streamer recorder or DVD-RAM recorder. For the real-time playback of recorded specific program data  
10 packets each packet needs a separate time stamp. For that reason a timestamp is to be captured for each data packet at recording time. However, capturing of timestamps from a transport stream is a very time consuming action in software implementation processing. Therefore transport stream time-  
15 stamps are captured for every Nth packet only and the missing timestamps are calculated. Thereby software-processing time is saved for generating the timestamps required for real-time bitstream recording.